

JIHYUN (JOYCE) KIM

100 McLellan Drive, Unit 3095, South San Francisco, CA

(425) 922-0027

joyce_kim@berkeley.edu

Education

- 2011-Present **UNIVERSITY OF CALIFORNIA, BERKELEY** Berkeley CA
PhD Student in Building Science & Technology
- 2009-2011 **PHILADELPHIA UNIVERSITY** Philadelphia PA
Master of Science in Sustainable Design
- 2001-2006 **UNIVERSITY OF WATERLOO** Waterloo ON
Bachelor of Applied Science in Civil Engineering, Honors Co-operative Program with Distinction

Experience

- 2012-Present **LAWRENCE BERKELEY NATIONAL LABORATORY** Berkeley CA
Graduate Student Research Assistant, Demand Response Research Center
- ✓ Currently conducting a research project sponsored by the New York State Energy Research and Development Authority to automate customer's response to dynamic pricing and increase smart grid interactions between energy stakeholders in New York State
 - ✓ Performed analysis of New York retail electricity markets and pricing tariffs and developed HVAC control strategies for large commercial buildings in New York City
- Fall 2011 **CENTER FOR THE BUILT ENVIRONMENT** Berkeley CA
Graduate Student Researcher
- ✓ Led occupant satisfaction surveys with CITRIS and LBNL's Demand Response team to evaluate occupants' thermal, air, & lighting comfort at Sutardja Dai Hall in response to various demand response strategies
- 2010-2011 **LAWRENCE BERKELEY NATIONAL LABORATORY** Berkeley CA
Research Assistant, Heat Island Group
- ✓ Conducted energy savings analysis of cool roof retrofit homes using the utility billing data provided by SMUD and PG&E. Performed weather normalization using SQL and MS Access
 - ✓ A primary author for California Energy Commission publication on Cool Communities
 - ✓ Managed and coordinated Cool Pavements Seminar, hosted by LBNL's Heat Island Group and California Department of Transportation
- 2006-2007 **MORRISON HERSHFIELD LIMITED** Seattle WA
Building Science Consultant
- ✓ Conducted building envelope assessments and assisted senior engineers/architects with energy efficient building envelope design for condominiums in Seattle and Portland
 - ✓ Provided energy saving analysis for proposed mechanical, electrical and building envelope system upgrades, reducing energy consumption at 37 Catholic schools in Ontario

Publication

J. J. Kim and S. Kiliccote, "Price Responsive Demand in New York Wholesale Electricity Market using OpenADR," Lawrence Berkeley National Lab., Berkeley, CA, Rep. LBNL-5557E, prepared for NYSERDA, 2012.